

# ICAM-1/CD54 Polyclonal antibody

Catalog Number: 30806-1-AP

## Basic Information

<b>Catalog Number:</b> 30806-1-AP	<b>GenBank Accession Number:</b> BC015969	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 ug/ml	<b>GeneID (NCBI):</b> 3383	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IHC 1:200-1:800 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000090339	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P05362	
	<b>Full Name:</b> intercellular adhesion molecule 1	
	<b>Calculated MW:</b> 90 kDa	
	<b>Observed MW:</b> 85-95 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> Ramos cells, L02 cells, Raji cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human ovary cancer tissue, human intrahepatic cholangiocarcinoma tissue
	<b>IF/ICC :</b> Raji cells,

## Background Information

ICAM-1 (CD54) is a 90-kDa transmembrane glycoprotein of the immunoglobulin superfamily and is critical for the firm attachment and transmigration of leukocytes out of blood vessels and into tissues (PMID: 19307690). ICAM-1 is expressed by several cell types, typically on endothelial cells and cells of the immune system, and its expression can be up-regulated by various stimuli, including TNF- $\alpha$ , INF- $\gamma$ , IL-1 and thrombin (PMID: 3086451; 9694714; 15979056). It is a ligand for LFA-1 and Mac-1, serves as a receptor for rhinovirus, and is one of several receptors used by Plasmodium falciparum (PMID: 2566624; 2538244; 2475784).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:

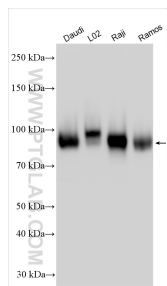
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

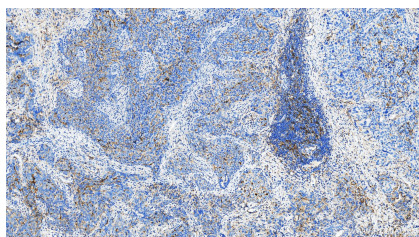
W: [ptgcn.com](http://ptgcn.com)

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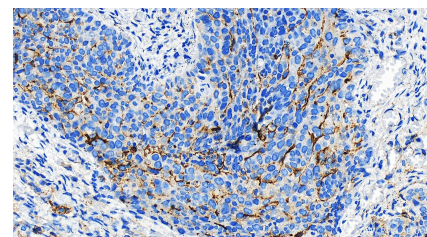
## Selected Validation Data



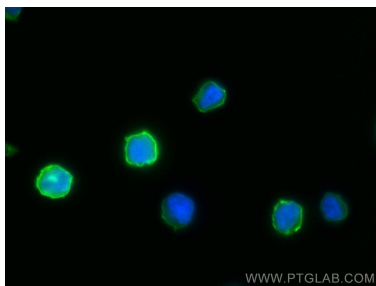
Various lysates were subjected to SDS PAGE followed by western blot with 30806-1-AP (ICAM-1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 30806-1-AP (ICAM-1/CD54 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 30806-1-AP (ICAM-1/CD54 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Raji cells using ICAM-1 antibody (30806-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).